

PATENT ABSTRACTS OF JAPAN

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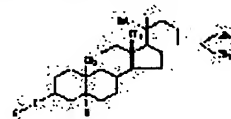
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(54) CHOLESTANOL COMPOUND AND MEDICINE CONTAINING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject new compound useful as an active ingredient for an anti-cancer medicine, having inhibitory effects on proliferation of cancer cell, comprising a specific cholestanol compound obtained by bonding a saccharide to a compound containing a saturated double bond of ring B of cholesterol.

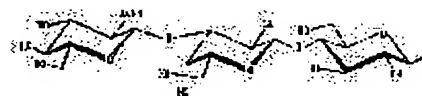
SOLUTION: This new cholestanol is shown by formula I [G is a group of formula II or a group of formula III (Ac is acetyl)] [e.g. 3- β -cholestanyl 3-O-(β -L-fucopyranosyl)- β -D-galactopyranoside], has inhibitory effects on proliferation of cancer cell and is effective as an active ingredient for a medicine such as an anti-cancer medicine, etc. The compound is obtained by reacting a brominated saccharide of formula IV (Bn is benzyl) with β -cholestanol, eliminating a benzyl group, reacting the resultant substance with a 2,3,4-tri-O-benzyl- β -L-fucopyranose phenylcarbamoyloxy compound of formula V (Ph is phenyl and eliminating the protecting group.



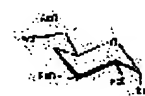
I



II



III



IV



V

LEGAL STATUS

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